

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 2617

B.Sc. RESPIRATORY THERAPY
THIRD YEAR (Regulations 2014-2015 & 2018-2019 onwards)
PAPER II – RESPIRATORY THERAPY TECHNIQUES - II
Q.P. Code: 802617

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. What is Intercostal Chest Drainage? What are its indications and contraindications? List the steps of its insertion. What are the complications of inserting it?
2. What are the ways to deliver Aerosol Therapy? Explain metered dose inhaler, indications, advantages and disadvantages.
3. Define Oxygen Dissociation Curve. What are the ways to deliver Oxygen to tissues? Explain low flow oxygen delivery devices.

II. Write Notes on:

(8 x 5 = 40)

1. Compliance, resistance and time constants.
2. Factors affecting Dry Powder Inhaler (DPI) performance and drug delivery.
3. Care of Tracheostomy tube.
4. Disinfection of Laryngoscope and Bronchoscope.
5. Home oxygen concentrators.
6. Nasal cannula.
7. Oxygen Toxicity.
8. Difficult intubation.

III. Short Answers on:

(10 x 3 = 30)

1. Vibrating mesh nebulizer.
2. Passive humidifier.
3. Parts of an Endotracheal (ET) tube.
4. Rapid sequence intubation.
5. Suctioning.
6. Different size and colour code of suction catheter.
7. Principle of rebreathing mask.
8. Importance of spacers in using inhalers.
9. Preparation for endotracheal intubation.
10. Draw the bottle system for connection after ICD in pleural effusion with trapped lung, with suction.
